

Daily Field Activity Report
Remedial Investigation/Feasibility Survey,
Newtown Creek Superfund Site OU1
Brooklyn, NY

Date: 10/28/2022

Prepared By: Norbert Iari

Weather: Sunny, L:47 °F/H:65 °F

Onsite Personnel:

<u>Name</u>	<u>Affiliation</u>
Norbert Iari	CDM Smith
Chris Migliore	ADT
Jimmy McGill	ADT

Health and Safety

1. Health and Safety meeting conducted on electrocution.

Field Activities – Remedial Investigation/Feasibility Survey

1. With the support of ADT, CDM Smith attempted to perform specific capacity testing at MW-SL13-A. Attempt was unsuccessful as no drawdown was observed in the monitoring well while pumping at a maximum rate of 7 gallons per minute (gpm). CDM Smith and ADT will revisit location at a later date to attempt another specific capacity test while attempting to pump at a higher rate.
2. ADT mobilized equipment to SL #17. ADT performed SPT boring at MW-SL17-A from 0 to 15 feet bgs. ADT augered from 0 to 5 feet bgs then collected continuous split spoons from 5 to 15 feet bgs. Borehole drilling and monitoring well installation will continue next Monday (10/31).
3. Drill rig and ancillary equipment was secured and staged on the work site at the end of the day.

Properties Worked at Today

SL No.	Property/Address	Notes
13	Greenpoint Avenue Brooklyn, NY 11222	Dead end road
17	462 Scott Avenue Brooklyn, NY 11222	

Drilling Summary

Borehole ID	Casing Diameter (in)	Completed Borehole Depth (feet bgs)	Screen Depth (feet bgs)	Screen Slot Size (in)	Notes
MW-SL17-A	N/A	N/A	N/A	N/A	Borehole not complete.

Split-Spoons Collected

MW-SL17-A

Interval (feet bgs)	Recovery (in)	Notes
0-5	Auger cuttings	
5-7	8	
7-9	9	
9-11	4	

Interval (feet bgs)	Recovery (in)	Notes
11-13	1	
13-15	6	

Difficulties, Deviations, and Solutions

1. None.

Comments:

1. None

Subcontractor Equipment Onsite & New Materials:

1. CDM Smith
 - Office Trailer
 - 21,000-gallon Tank
2. ADT
 - Geoprobe 7720DT
 - Support Truck

Upcoming Work:

1. Complete drilling and well installation for MW-SL17-A and MW-SL17-B Monday (10/31).

Photo Log:



MW-SL17-A location prior to operations. Facing East.



Drilling operations at MW-SL17-A. Facing East.

**Daily Field Activity Report
Remedial Investigation/Feasibility Survey,
Newtown Creek Superfund Site OU1
Brooklyn, NY**

Date: 10/31/2022

Prepared By: Norbert Iari

Weather: Partly cloudy, L:51 °F/H:65 °F Winds: 3mph N

Onsite Personnel:

<u>Name</u>	<u>Affiliation</u>
Norbert Iari	CDM Smith
Chris Migliore	ADT
Jimmy McGill	ADT
Mark Schmidt	EPA

Health and Safety

1. Health and Safety meeting conducted on slips, trips, falls.

Field Activities – Remedial Investigation/Feasibility Survey

1. ADT continued SPT drilling operations at MW-SL17-A. ADT collected one split spoon from 15 to 17 feet bgs and encountered refusal at 17 feet bgs. ADT offset MW-SL17-A 8 feet west of the original borehole. Refusal was encountered at 13 feet bgs at this location. ADT offset MW-SL17-A 22 feet West of the original borehole location. Refusal was again encountered at 17 feet bgs. At all three borehole locations ADT attempted a combination of methods which included DPT operations and augering beyond 17 feet bgs but efforts were unsuccessful. CDM determined it would be best to attempt the proposed MW-SL17-B location to further assess lithologic conditions and revisit MW-SL17-A. Step out locations were backfilled with bentonite.
2. ADT began drilling operations at MW-SL17-B. ADT augered from 0 to 10 feet bgs. ADT encountered hard drilling at 10 feet bgs. ADT suspected there was concrete. ADT employed DPT with a macrocore sampler from 10 to 15 feet bgs. Continuous split spoons were collected from 15 to 21 feet bgs. Sediment-Water Shake Test was performed on a sample collected from 17 to 19 feet bgs and was positive for LNAPL.
3. Drill rig and ancillary equipment was secured and staged on the work site at the end of the day.

Properties Worked at Today

SL No.	Property/Address	Notes
17	462 Scott Avenue Brooklyn, NY 11222	

Drilling Summary

Borehole ID	Casing Diameter (in)	Completed Borehole Depth (feet bgs)	Screen Depth (feet bgs)	Screen Slot Size (in)	Notes
MW-SL17-A	N/A	17	N/A	N/A	Borehole to be revisited
MW-SL17-B	N/A	N/A	N/A	N/A	Borehole not complete

Split-Spoons Collected**MW-SL17-B**

Interval (feet bgs)	Recovery (in)	Notes
0-10	Auger cuttings	
10-15	2.5	macrocore
15-17	8	
17-19	6	LNAPL observed
19-21	6	

Difficulties, Deviations, and Solutions

1. None.

Comments:

1. None.

Subcontractor Equipment Onsite & New Materials:

1. CDM Smith
 - Office Trailer
 - 21,000-gallon Tank
2. ADT
 - Geoprobe 7720DT
 - Support Truck

Upcoming Work:

1. Complete well installation for MW-SL17-A and MW-SL17-B tomorrow (11/1).
2. Well development (11/2).
3. Specific Capacity testing (11/3).

Daily Field Activity Report
Remedial Investigation/Feasibility Survey,
Newtown Creek Superfund Site OU1
Brooklyn, NY

Date: 11/1/2022

Prepared By: Norbert Iari

Weather: Cloudy, L:58 °F/H:66 °F Winds: 6mph NE

Onsite Personnel:

<u>Name</u>	<u>Affiliation</u>
Norbert Iari	CDM Smith
Chris Migliore	ADT
Jimmy McGill	ADT

Health and Safety

1. Health and Safety meeting conducted on traffic safety.

Field Activities – Remedial Investigation/Feasibility Survey

1. ADT continue SPT drilling operations beyond 21 feet bgs at MW-SL17-B. Refusal was encountered at 21.5 feet bgs. ADT attempted to DPT beyond 21.5 feet bgs but were unsuccessful. CDM Smith determined the monitoring well will be constructed in borehole MW-SL17-B and screened from 6 to 21 feet bgs due to NAPL observed at 17 feet bgs. Water table was observed to be at 11 feet bgs. CDM Smith also determined the original borehole location for MW-SL17-A will be adequate for monitoring well installation due to the frequency of refusals encountered within proposed well area.
2. ADT installed monitoring wells MW-SL17-A and MW-SL17-B to 17 feet bgs with 5 feet of screen and 21 feet bgs with 15 feet of screen, respectively.
3. Drill rig and ancillary equipment was secured and staged on the work site at the end of the day.

Properties Worked at Today

SL No.	Property/Address	Notes
17	462 Scott Avenue Brooklyn, NY 11222	

Drilling Summary

Borehole ID	Casing Diameter (in)	Completed Borehole Depth (feet bgs)	Screen Depth (feet bgs)	Screen Slot Size (in)	Notes
MW-SL17-A	2	17	12-17	.010	
MW-SL17-B	2	21	6-21	.010	

Difficulties, Deviations, and Solutions

1. None.

Comments:

1. None.

Subcontractor Equipment Onsite & New Materials:

1. CDM Smith
 - o Office Trailer

- 21,000-gallon Tank
- 2. ADT
 - Geoprobe 7720DT
 - Support Truck

Upcoming Work:

1. Well development tomorrow (11/2).
2. Specific Capacity testing (11/3).

Photo Log:



Drilling operations at MW-SL17-B. Facing Southeast.



Monitoring well MW-SL17-B. Facing Northeast.



Monitoring well MW-SL17-A. Facing Southwest.



NAPL observed at SL-17-B borehole (17-19' bgs)

**Daily Field Activity Report
Remedial Investigation/Feasibility Survey,
Newtown Creek Superfund Site OU1
Brooklyn, NY**

Date: 11/2/2022

Prepared By: Norbert Iari

Weather: Sunny, L:51 °F/H:70 °F

Onsite Personnel:

<u>Name</u>	<u>Affiliation</u>
Norbert Iari	CDM Smith
Chris Migliorre	ADT
Jimmy McGill	ADT

Health and Safety

1. Health and Safety meeting conducted on water tank on truck.

Field Activities – Remedial Investigation/Feasibility Survey

1. ADT performed well development for MW-SL17-A and MW-SL17-B. CDM Smith monitored water quality parameters until the turbidity goal of 50 Nephelometric Turbidity Units (NTU) and/or all parameters stabilized within 10 percent of successive casing volumes as stipulated in the Technical SOP 4-3 for Well Development and Purging. Efforts to achieve stabilized specific capacity in both monitoring wells (MW-SL17-A and MW-SL17-B) were unsuccessful due to the monitoring wells being heavily influenced by tidal conditions with regards to Newtown Creek. CDM Smith determined that specific capacity testing will proceed tomorrow (11/3) in MW-SL17-A during high tide conditions. Transducers would be deployed today to collect additional data regarding tidal conditions overnight prior to beginning test.
2. CDM Smith installed two Levellogger 5 transducers, one in MW-SL17-A and one in MW-SL17-B to monitor tidal conditions prior to initiating specific capacity testing tomorrow (11/3).
3. CDM Smith deployed two Levellogger 5 transducers, one in MW-SL28-A and one in MW-SL28-B for long term water level monitoring.
4. Equipment was stored at the staging area for the end of the day.

Properties Worked at Today

SL No.	Property/Address	Notes
17	462 Scott Avenue Brooklyn, NY 11222	
28	362/364/394 Maspeth Avenue Brooklyn, NY 11211	

Monitoring Wells

Borehole ID	Casing Diameter (in)	Screen Depth (feet bgs)	Screen Slot Size (in)	Notes
MW-SL17-A	2	12-17	.010	
MW-SL17-B	2	6-21	.010	

Observations during Development

Borehole ID	Static Water Level (feet below TOC)	Initial Flow Rate (gpm)	Drawdown (feet)	Initial Specific Capacity (gpm/ft)	Stabilized Specific Capacity (gpm/ft)	Recharge Rate (ft/min)
MW-SL17-A	15.51	N/A	N/A	N/A	N/A	N/A
MW-SL17-B	15.97	2.2	2.82	.78	N/A	.33

Well Development Summary with Final Water Quality Readings

Borehole ID	Volumes Purged (gallons)	pH (SU)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox Potential (mV)	Turbidity (NTU)
MW-SL17-A	1.75	8.26	29.5	5.05	18.14	102	0.0
MW-SL17-B	12.5	8.69	26.2	1.35	20.21	-47	0.0

Difficulties, Deviations, and Solutions

1. None.

Comments:

1. None.

Subcontractor Equipment Onsite & New Materials:

1. CDM Smith
 - Office Trailer
 - 21,000-gallon Tank
2. ADT
 - Geoprobe 7720DT
 - Support Truck

Upcoming Work:

1. Complete specific capacity testing tomorrow (11/3).

Photo Log: None

**Daily Field Activity Report
Remedial Investigation/Feasibility Survey,
Newtown Creek Superfund Site OU1
Brooklyn, NY**

Date: 11/3/2022

Prepared By: Norbert Iari

Weather: Sunny, L:52 °F/H:67 °F, Winds: 4mph SW

Onsite Personnel:

<u>Name</u>	<u>Affiliation</u>
Norbert Iari	CDM Smith
Chris Migliore	ADT
Jimmy McGill	ADT

Health and Safety

1. Health and Safety meeting conducted on eye protection.

Field Activities – Remedial Investigation/Feasibility Survey

1. With the support of ADT, CDM Smith performed specific capacity testing on MW-SL17-A using procedures listed in Technical SOP 4-9, Section 5.3, Step Drawdown Test.
2. CDM Smith deployed two Levellogger 5 transducers, one in MW-SL17-A and one in MW-SL17-B, for long term water level monitoring.
3. ADT fully demobilized from property.
4. Equipment was stored at the staging area for the end of the day.

Properties Worked at Today

SL No.	Property/Address	Notes
17	462 Scott Avenue Brooklyn, NY 11222	

Specific Capacity Testing Results

Borehole ID	Casing Diameter (in)	Screen Depth (feet bgs)	Initial Depth to Water (ft)	Average Discharge (gpm)	Final Depth to Water (ft)	Total Drawdown (ft)	Specific Capacity (gpm/Total Drawdown)
MW-SL17-A	2	12-17	12.65	.18	13.99	1.34*	0.13

Notes: *May have been tidally influenced.

Difficulties, Deviations, and Solutions

1. None.

Comments:

1. None.

Subcontractor Equipment Onsite & New Materials:

1. CDM Smith
 - o Office Trailer
 - o 21,000-gallon Tank
2. ADT
 - o Geoprobe 7720DT
 - o Support Truck

Upcoming Work:

1. Construct and install staff gauge tomorrow (11/4).
2. Begin drilling operations at SL 2A Monday (11/7).

Photo Log:

Specific capacity testing at MW-SL17-A. Facing Southwest.



Fully demobilized from property. Facing Northeast.



Fully demobilized from property. Facing Southwest.